COATING DESIGN SHEET FOR BURIED STEEL PIPELINES

Name					Date				
Location					Designed by				
Legal Description					Soil Name				
Station	Resistivity <u>1</u> / (Re), ohm- cm	Average Resistivity, ohm-cm	Pipe Unit Surface Area, ft²/ft	Pipe Length, ft	Pipe Surface Area, ft ²	Pipe Surface Area in Soil with Re <u><</u> 1500 ohm-cm		Pipe Surface Area in Soil with Re ≤ 750 ohm-cm	
						Pipe Length, ft	Pipe Surface Area ft ²	Pipe Length, ft	Pipe Surface Area ft ²
	Total Surface Area, A _T ft ² Total A ₁₅₀₀ ft ² Total A ₇₅₀								
A_T = Total surface area =									
$\frac{A_{1500}}{A_{T}} \times 100 = \underline{\qquad} \times 100 = \underline{\qquad} \%$						$A_{750} \times 100 = $ $\times 100 = $ %3/			
	f Coating Requ	ired <u>A (</u>	or B le one)	<u>4</u> /	^	I			

Use Class B Coatings for All Other Soil Conditions

 $[\]frac{1}{2}$ / From Preliminary Resistivity Survey $\frac{2}{2}$ / if $\geq 20\%$ Use Class A Coating $\frac{3}{2}$ / if $\geq 10\%$ Use Class A Coating

See Montana Field Office Technical Guide, Practice Standard, Irrigation Water Conveyance (Steel Pipeline), pages 430-FF-6/7 for a description of Class A and B Coatings.